

Message

From: Smith, Michael (Energy) [Michael.Smith@energy.virginia.gov]
Sent: 12/14/2022 10:44:26 PM
To: Voigt, Gregory [Voigt.Gregory@epa.gov]; Geiger, Ashley [Geiger.Ashley@epa.gov]; Vicenty-Gonzalez, Juan [VicentyGonzalez.Juan@epa.gov]
CC: Banas, Anthony (Energy) [Max.Banas@energy.virginia.gov]; Worley, Jared (Energy) [Jared.Worley@energy.virginia.gov]
Subject: Underdrain data for Callahan Creek watershed
Attachments: UDpostTMDLloadingdata.xlsx

Please find attached the data file for underdrains in the Callahan Creek TMDL watershed that were added after 2003 and have been deleted to date. The TMDL report states the data used for TDS modeling was 2001 through 2003 hence the exclusion of underdrain locations removed from monitoring prior to 2003 as they would be included in the modeled waste loads. There are two spread sheets, the one labeled "UD post TMDL 2003" contains information about each monitoring location including coordinates in NAD83 Virginia South State Plane coordinates. The second sheet labeled "Discharge data" is self-explanatory and contains the complete record of monitoring for the location. You will find that some fill underdrains do not discharge or discharge infrequently because we encourage placement of fills in ephemeral portions of valleys. The data are reported in mg/L except for pH which are standard units. The data columns are as follows:

PeNo – SMCRA permit number
MpGwNo – Discharge identification number
WtDate – Sample collection date
WtFlow – Estimated flow in gallons per minute
WtPh – pH in standard units
WtIron – Total iron concentration in mg/L
WtManganese – Total manganese in mg/L
WtTss – Total suspended solids in mg/L
WtTds – Total dissolved solids in mg/L
WtSulf – Sulfate concentration in mg/L

Please feel free to contact me if you have questions or need additional information. I will be on leave for the next two weeks, but I will check e-mail periodically and my phone is forwarded to my home number .

Regards,

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